



ANNOUNCEMENT
of the
SUMMER SESSION

July 2nd to August 15th
1958

University of Alberta
Edmonton

Important Information

SUMMER SCHOOL OF LINGUISTICS

At the request of the Canadian Linguistic Association, the University will conduct, as part of the regular Summer Session, a special Summer School of Linguistics. A program of eight courses, all carrying University credit, will be offered.

SUMMER SESSION BURSARIES

The Department of Education is providing 250 bursaries, each of \$100, payable under certain conditions, to teachers who attend the 1958 Summer Session for the purpose of improving their qualifications for teaching in the senior high school.

SUMMER SESSION FEES: Changes in Regulations

1. The University has discontinued its policy of granting a reduced instruction fee to teachers holding Alberta certificates. All students now pay the same fee, viz., \$40 per course.
2. The deadline for the payment of Summer Session fees has been advanced from the first day of the Session to June 5th. A penalty fee of \$5.00 will be levied on any fees paid after that date.

More detailed information concerning the above matters will be found in the appropriate sections of this Announcement.

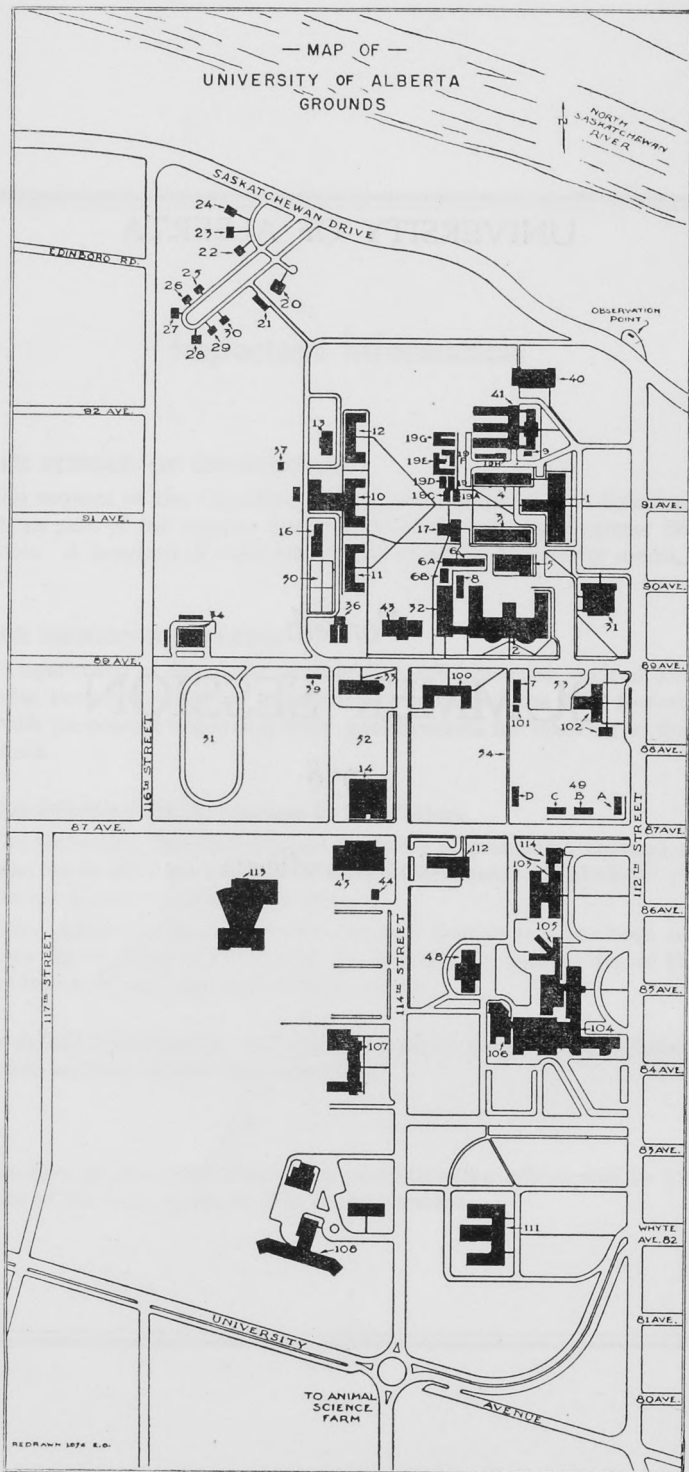
A directory of important University administrative offices will be found on the inside of the back cover of this Announcement.

UNIVERSITY OF ALBERTA

Fortieth
SUMMER SESSION
1958

Edmonton, Alberta

— MAP OF —
UNIVERSITY OF ALBERTA
GROUNDS



UNIVERSITY OF ALBERTA

DIRECTORY OF BUILDINGS AND DEPARTMENTS, JANUARY, 1958

NOTE: The following numbers correspond to reference numbers on the adjacent map.

Aberhart Sanatorium	108	Mining and Metallurgy, east	
Accounting	1	entrance of	4
Administration Building	43	Modern Languages, 2nd floor of	1
Advisory Services	43	National Employment Service	43
Agriculture Building	40	North Laboratory Building	4
Agricultural Engineering, west		Nurses' Home	107
entrance of	4	Nursing, east end of	100
Alberta Research Council	112	Observatory	44
Alumni Secretary	33	Obstetrics and Gynaecology	104
Anatomy, 3rd floor of	2	Ophthalmology and Rhino-Oto-	
Animal Science	40	Laryngology	114
Arts Building	1	Parking Areas	52, 53
Assiniboia Hall, Men's Residence	12	Pathology, east entrance of	2
Athabasca Hall, Men's Residence	10	Pembina Hall, Women's Residence	11
Athletic Field and Track	51	Petroleum Engineering, south	
Bacteriology, east entrance of	2	entrance of	32
Biochemistry, 3rd floor of	2	Pharmacy, 3rd floor of	2
Bookstore	43	Philosophy, 2nd floor of	1
Botany, 3rd floor of	1	Physical Education, east entrance of	14
Business Administration, 2nd floor of	1	Physics, main floor of	1
Cafeteria	17	Physiology and Pharmacology, 2nd	
Campus Residences of University		floor of	2
Staff	20-30	Physiotherapy	13
Cancer Clinic	106	Plant Science	40
Chemistry, west end of	2	Political Economy, 2nd floor of	8
Chemical Engineering, west entrance		Post Office	43
of	2	Power Plant	5
Civil Engineering west entrance of	32	Printing Department	8
Classics, 2nd floor of	1	Provincial Analyst, east entrance of	3
Cvocation Hall, main floor of	1	Provincial Auditorium	113
C.O.T.C. Orderly Room	14	Provincial Gasoline Testing Lab.	112
Dairying, north entrance of	3	Provincial Lab. of Public Health	48
Dean of Women	43	Provost	43
Dentistry, main floor of	2	Psychology, west entrance of	4
Dominion Laboratory of Plant		Radio Studio	19H
Pathology	36	Research Council of Alberta	112
Drafting	32	Rink	45
Education Building	111	Rutherford Library	31
Electrical Engineering	5	St. Joseph's College	100
Engineering Building	32	St. Stephen's College	102
English, 2nd floor of	2	Scout Hut	101
Entomology, 2nd floor of	1	Soil Science	40
Evening Credit Program Director		Soil Survey	40
room 219	111	South Laboratory Building	3
Extension Department, south side of	3	Staff Residences	49
Extension Library	31	Superintendent of Buildings	6B
Gateway Office	33	Student Advisory Services	43
Geology, 3rd floor of	1	Students' Union	33
Graduate Studies, Dean	43	Studio Theatre	19C, 19A
Greenhouses	41	Summer Session, Director, Room 219	111
Grounds Department	16	Surgery and Clinical Surgery	104
Gymnasium	14	Telephone Switchboard, basement of	5
History, 2nd floor of	1	Tennis Courts	50
Household Economics, north entrance		University Elementary School,	
of	3	Public School	111
Industrial Laboratories, east entrance		University Hospital:	
of	3	Main Building	104
Infirmary	7	Soldiers' Wing (Colonel Mewburn	
Law, 2nd floor of	1	Pavilion)	103
Library	31	Wells Pavilion	105
Mathematics, south entrance of	32	West Laboratory Building	36
Machine Shop	19F	Works Department (Foreman, Car-	
Mechanical Engineering Laboratory ..	6	penter Shop and Garages)	34
Medical Building	2	Works Department (Electrical,	
Medicine and Clinical Medicine	104	Plumbing and Paint Shop)	34
		Zoology, 2nd floor of	2

In case of emergency, notify Power Plant (5).

For other information, apply to the office of the Bursar, Administration Building.

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ACADEMIC CALENDAR

Summer Session, 1958

February—

Saturday, 15—Last day for receiving registrations in English 2.

March—

Saturday, 15—Last day for receiving applications for admission to the Faculty of Graduate Studies.

Monday, 31—Last day for receiving Summer Session registrations with entitlement to discount on tuition fees.

April—

Wednesday, 30—Last day for receiving Summer Session registrations.

June—

Monday, 2—Last day for receiving applications for supplemental examinations from the 1957 Summer Session.

Thursday, 5—Last day for the payment of Summer Session fees without penalty.

July—

Wednesday, 2—Supplemental examinations from the 1957 Summer Session.

Wednesday, 2, 1:30 to 4:30 p.m.—Confirmation of registration and payment of fees if not previously paid. Arts Building.

Thursday, 3, 8:00 a.m.—Lectures begin. (See note below.)

Monday, 7—Preliminary examinations in all Summer Session courses.

Wednesday, 9—Last day for the payment of Summer Session fees.

August—

Thursday, 14 and Friday, 15—Final examinations in all Summer Session courses.

NOTE:

Students in laboratory courses will be advised during the first lecture period as to when the laboratory work will commence.

ADMINISTRATIVE STAFF

ANDREW STEWART, B.S.A., M.A., LL.D., D.Econ., President of the University.
WALTER HUGH JOHNS, B.A., Ph.D., Vice-President of the University.
GEORGE SAMUEL, M.A., Assistant to the President.
JOHN WILLIAM GILLES, B.A., M.A., M.Ed., Ed.D., Director of the Summer Session and of the Evening Credit Program.
DOUGLAS ELSTOW SMITH, M.A., Ph.D., Dean, Faculty of Arts and Science.
HERBERT THOMAS COUTTS, B.A., M.A., Ph.D., Dean, Faculty of Education.
ARTHUR GILBERT McCALLA, B.Sc., M.Sc., Ph.D., F.R.C.S., Dean, Faculty of Graduate Studies.
HAZEL McINTYRE, B.Sc., M.S., Director, School of Household Economics.
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AYLMER ARTHUR RYAN, M.A., Provost of the University.
ALEXANDER JOSEPH COOK, B.Sc., M.A., Ph.D., Director of Student Advisory Services.
MAIMIE SHAW SIMPSON, M.Sc., M.Ed., Dean of Women.
BRUCE PEEL, B.A., M.A., B.L.S., Librarian to the University.
ALEXANDER DUNCAN CAIRNS, B.A., Registrar of the University.
GEOFFREY BRADFORD TAYLOR, M.Sc., Admissions Registrar.
HAROLD RICHARD HAWES, B.Sc., Assistant Registrar.
JOHN MACLEAN WHIDDEN, B.Com., Bursar.
MURRAY ALEXANDER ROUSELL, B.Com., C.A., Accountant.
EDWARD FREDERICK HUNTER, B.Com., Purchasing Agent.

ACADEMIC STAFF

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UNIVERSITY OF ALBERTA

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- ERICH VON RICHTHOFEN, Dr.Phil., Associate Professor of Romance Languages, University of Alberta.
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GENERAL SECTION

The University of Alberta Summer Session offers a variety of courses for the convenience of students who are unable to attend the regular sessions. Special attention is given to meeting the needs of teachers desirous of improving their professional qualifications.

One important feature of Summer Session work is that a substantial portion of course content must be mastered before the session opens. Justification for this requirement is that (a) summer courses carry the same credit as regular session courses, and (b) the summer term is of only six weeks' duration. A test covering this assigned study will be held on Monday, July 7th.

Students should register as early as possible. The deadline for registration is April 30th.

The University reserves the right to restrict registration in, or to withdraw, any of the courses proposed for the 1958 Summer Session.

CLASSIFICATION OF STUDENTS

In the Summer Session, students are classified as graduates, provisional graduates, undergraduates, specials, and auditors.

Graduate Students are those holding a recognized degree who have been formally admitted to the Faculty of Graduate Studies as candidates for a higher degree.

Provisional Graduate Students are those holding a recognized degree who are registered in the Faculty of Graduate Studies for the purpose of qualifying for admission to candidacy for a higher degree. (See calendar for Faculty of Graduate Studies.)

Undergraduate Students are those who possess full senior matriculation and who are taking one or more courses for credit towards an undergraduate degree.

Special Students are those who, although registered in one or more courses, are currently neither seeking credit towards a degree or diploma granted by the university, nor entrance into a graduate program.

Auditors are students who, having presented to the Registrar written permission from an instructor to attend lectures in his course, are allowed to register in the course as auditors, on the understanding that this privilege permits them only to listen and not to participate in class discussions, assignments, or examinations.

Note: Auditing privileges are restricted to students already currently registered under one of the preceding categories.

ADMISSION

1. Every student wishing to enter the University for the first time must complete the "Application for Admission" form, which may be obtained from the Registrar of the University or from the Dean, Faculty of Education.
2. If the applicant for admission wishes to take courses for degree credit, he must show evidence of having met matriculation requirements as outlined

below. To this end he should forward to the Examinations Branch of the Department of Education, Provincial Government Buildings, Edmonton, the fee of \$1.00 and ask that a complete transcript of his high school record be sent to the Registrar of the University.

Students seeking credit for matriculation courses taken outside Alberta should submit their documents to the Registrar of the University for evaluation. A fee of \$5.00 is charged for this service if the documents are issued in Canada, and \$10.00 if issued in other countries.

3. A certificated teacher who has completed a one-year course of training may enter upon a special second-year program in Education (outlined elsewhere in this Announcement), provided he meets the requirements for matriculation into the Faculty of Education.
4. Any certificated teacher, whether or not he has completed matriculation requirements, may register as a Special Student for refresher courses or for courses leading to special certificates. (See preceding section.)
5. Any person not included in categories 2 to 4 above, who wishes to take courses in the Summer Session, should apply to the Registrar for permission to register as a Special Student.

ADMISSION WITH ADVANCED STANDING

Students from other universities may be admitted to advanced standing except in combined courses. All applications for such admission should be addressed to the Registrar well in advance of the beginning of the session. Each application will be dealt with on its merits by the Committee on Admissions. Extra mural credits from recognized universities may be accepted under certain conditions, but such credits will not be considered beyond the first year of university work.

Under no circumstances will a degree be granted until a final year has been satisfactorily completed at the University of Alberta.

MATRICULATION

General Requirements

Matriculants from the high schools of Alberta seeking admission to the University must possess—

- (a) a high school graduation diploma with
- (b) "B" or higher standing in the required courses of Grade XII as set forth in the prescriptions of the various schools and faculties, and
- (c) an average in these courses of at least 60%.

Faculty of Education

For the degree of B.Ed.—The general requirements with credit in:

1. English 30;
2. Social Studies 30;
- 3, 4, 5, 6. **Four of:** French 30, German 30, Latin 30, Chemistry 30, Physics 30, Biology 32, Mathematics 30, Music 30.

Notes:

1. Candidates intending to specialize in Household Economics or Physical Education should offer Chemistry 30.

2. Applicant's of age 20 or over will not be required to present a high school diploma.
3. Students admitted prior to September, 1953, to the one-year teacher training program offered in the Faculty of Education may complete matriculation requirements on the basis of those existing at the time of admission.

Other Faculties

Students interested in the matriculation requirements of other faculties and schools of the University should address a request for the appropriate calendar to the Registrar.

MATRICULATION DEFICIENCIES

1. With the approval of the Dean of the faculty concerned, students who through no fault of their own were unable to secure standing in certain matriculation subjects may register in French A, German A, Latin A, Chemistry A, or Physics A. These courses do not carry university credit if they are offered as matriculation subjects. (See item 3 below.)
2. Candidates deficient in Grade XII English or Social Studies may not under any circumstances register for Summer Session work in a B.Ed. program.
3. All candidates who are deficient in any matriculation requirement are strongly advised to enroll either in the special Grade XII Summer Schools conducted in Red Deer by the Department of Education and in Calgary by Mount Royal College, or in correspondence courses. For further information concerning the Red Deer Summer School and correspondence courses, students should write to Mr. G. F. Bruce, Director, Correspondence School Branch, Public Works Building, Edmonton.
4. Special arrangements for clearing matriculation deficiencies are available in the Faculty of Education for teachers who were granted Alberta Second-Class Certificates prior to 1935. Teachers wishing to take advantage of these arrangements should communicate directly with the Dean.

SUMMER SESSION BURSARIES

The Department of Education will provide a maximum of 250 Summer Session bursaries, each of \$100, payable to undergraduate students who have completed a minimum of two years of professional training and are holders of a Standard Certificate of its equivalent, or who in one Summer Session may qualify for a Standard S Certificate. Applicants must have satisfactory academic standing, be recommended by a superintendent of schools or a high school inspector, and must sign an undertaking to teach in a senior high school for one year in the Province of Alberta immediately following the completion of the Summer Session.

Teachers who are interested should immediately confer with the superintendent of the division or county, or the high school inspector concerned, who will be able to provide application forms. These forms may be obtained also from Mr. S. A. Earl, Coordinator of Teacher Education, Department of Education, Edmonton, Alberta.

Teachers applying for bursaries should attach the application forms to their Summer Session registration forms.

ADVANCE REGISTRATION

Advance registration is required of all Summer Session students. Registration forms must be filed not later than April 30th.

Requests for changes in registration after April 30th will not be entertained.

Early registration is being encouraged so that students will be able to secure their textbooks and course outlines in time to complete satisfactorily the pre-session study assignments.

Registration forms are enclosed in each copy of the Summer Session Announcement. They may be obtained also from the Registrar of the University or from the Dean, Faculty of Education.

REGISTRATION PROCEDURE

Advance Registration

1. Registration forms must be completed and returned in duplicate (white and buff forms) not later than April 30th, together with the registration fee of \$2.00.

Students whose registration forms are received, or postmarked, not later than March 31, will be granted a reduction in instruction fees of \$5.00 per course.*

2. When their advance registrations have been approved, students will receive from the Registrar pre-session study syllabi and a statement of fees.

Confirmation of Registration

1. All students must confirm their advance registrations by reporting their presence to the Registrar in the Arts Building between 1:30 and 4:30 p.m. on July 2nd. Special forms will be provided for this purpose. Students failing to meet this requirement, without reasons satisfactory to the Registrar, will be assessed a penalty fee of \$2.00.

To avoid congestion and undue delay, students are asked to report according to the following schedule:

1:30 p.m.—Students with surnames A to G

2:30 p.m.—Students with surnames H to M

3:30 p.m.—Students with surnames N to Z

2. Upon confirmation of registration students will receive an Evergreen and Gold card, which will serve as an identification card.
3. Students who have confirmed their registrations may not subsequently drop courses without first obtaining the authorization of the faculty or school in which they are registered.

Payment of Fees (Please note carefully)

Fees may be paid at the time of advance registration or at any time up to and including June 5th. A penalty of \$5.00 will be charged on any payment made after that date and must be added to any remittance mailed or delivered to the University.

*Students registered in the Faculty of Graduate Studies are not eligible for this discount for the reason that they are required to pay a fixed *total* tuition fee. Neither are students in the Emergency Teacher Training Program eligible for this discount.

FEES

Fees are payable at the time of advance registration or upon receipt of a statement of fees from the Registrar. For details regarding payment of fees see the section above under that heading.

In case of non-attendance all fees, except the registration fee, will be refunded upon written application to the Registrar.

If a student withdraws with the approval of his Dean after classes have commenced, an adjustment of fees will be made on a pro rata basis.

All instruction fees are subject to a discount of \$5.00 per course, provided that advance registration and payment of the registration fee of \$2.00 have been completed on or before March 31st.*

Registration is incomplete until fees have been paid in full. If payment has not been made by July 9th, registration will be subject to cancellation and the student to exclusion from classes.

General Fees

(payable by all students)

Registration	\$ 2.00
Library	3.00
Medical Service	2.00
Students' Union: General	1.00
Building Fund	2.50
	<hr/>
	\$10.50
Year Book fee (optional at registration)	4.75

Instruction Fees

Instruction fee, per course	\$40.00
Laboratory fee, per course	5.00
Group piano instruction fee payable by students required to take this instruction by the Division of Music	5.00
Instruction fee, Emergency Teacher Training Program, per student	55.00

Penalty Fees

For payment of any fees after June 5th	\$ 5.00
For failure to confirm registration on July 2nd	2.00

Sample Fee Assessment

A student who is subscribing to the Year Book and who registers by March 31st to study two non-laboratory courses will pay fees as follows:

General fees (see above)	\$10.50
Year Book subscription	4.75
Instruction (2 @ \$35.00)	70.00

Cheques should be made payable at par to the University of Alberta, not to any officer of the University.

*Students registered in the Faculty of Graduate Studies are not eligible for this discount for the reason that they are required to pay a fixed *total* tuition fee. Neither are students in the Emergency Teacher Training Program eligible for this discount.

PREPARATORY STUDY

In view of the brevity of the Summer Session, it is expected that students will have mastered about twenty per cent of the course content prior to the opening of the session.

Study Outlines

Study outlines giving directions for preparatory work in each course will be sent to students as soon as, but not before, their registrations have been approved.

Textbooks

Textbook titles, with prices quoted, will be included in the study outlines. Textbooks may be obtained from the University Bookstore at Edmonton. Orders must be accompanied by remittances. No C.O.D. orders will be accepted.

Students are advised to order texts required for pre-session study within two weeks after receiving outlines. Failure to do so may result in their being unable to obtain texts in time to complete the pre-session study requirements.

Preliminary Examinations

An examination on the prescribed preparatory study will be held in each course on Monday, July 7th. If preparation proves to be inadequate, a student may be asked to withdraw from the course. This requirement makes it all the more necessary that registration be completed at an early date, textbooks secured, study commenced, and the work carried forward consistently.

CLASSES

Course Selection

Since there are only four periods per day, each of two hours' duration, it is obvious that many classes are in session at the same time. Students are urged to look carefully at the timetables displayed on the last pages of this Announcement before selecting their courses.

Class Loads

1. Registration in two non-laboratory courses, which involves a weekly lecture schedule of 20 hours, is regarded as a normal class load in the Summer Session.
2. Since a laboratory course involves a weekly load of from 15 to 25 hours, it is inadvisable for a student registering in a laboratory course to register in another course.
3. Registration in more than two courses is permitted only in very special circumstances. Application for this permission must be made at the time of advance registration, the special circumstances being clearly stated.

Gifts to Instructors

Presentation of gifts to instructors at the end of the Summer Session is not in accordance with the tradition of this University.

ATTENDANCE

1. Regular attendance is expected of all students in all courses. Students having more than two unexcused absences may be refused permission to take the final examination.

2. Absences are counted from the first day of the session.

3. Illness and Physical Disability:

- (a) Students desiring to secure excuse for absence on the grounds of illness or disability must arrange for this promptly after the period of absence has terminated.
- (b) Excuse for illness or physical disability is normally certified by the Infirmary physician. Absence cards for this purpose are obtainable at the Infirmary. **Students desiring such certification should report to the Infirmary either in person or by telephone message at the time of their illness.**
- (c) Absence cards are required for each period of absence, even in the case of students suffering from chronic or recurrent disabilities.
- (d) Where another physician has been in attendance, an absence card may be secured from the Infirmary. It must be returned promptly to the Infirmary with the physician's signature.
- (e) No form of excuse other than the absence card will be accepted in regard to sickness or physical disability.

4. Other Causes of Absence: Students must secure absence cards from the Registrar in every case where excuse for absence is sought on account of:

- (a) domestic affliction or other extreme circumstances;
- (b) transfer of attendance records from one course to another; or
- (c) lectures missed because of conflicts with examinations.

All such absence cards must be properly certified and returned promptly to the Registrar's office.

5. Students desiring **leave of absence** in any given course must apply to the Registrar. At the end of such a period of absence, the student must present an absence card for the Registrar's signature.

EXAMINATIONS

- 1. **Final Examinations.** Final examinations will be held immediately at the close of the Summer Session, specifically on Thursday and Friday, August 14th and 15th.
- 2. **Distribution of Credits.** In each course where a final examination is held credit of not less than 30% nor more than 50% will be assigned to term work. The remaining credit in each course will be assigned to the final examination.
- 3. **Pass Marks.** The pass mark in all courses is 50% except in the Faculty of Graduate studies, where it is 65%.
- 4. **Absence from Final Examinations.** Any student who is ill or in whose family there is serious domestic affliction is advised not to sit for a final examination. Instead he should forthwith furnish the Registrar with evidence of the circumstances which prevented his writing the examination, and should apply for a deferred final examination.

If a student becomes ill or receives word of domestic affliction during the course of an examination, he should report at once to the Supervisor, hand in his unfinished paper and request that it be cancelled. Thereafter, if illness is the cause, he must go directly to the Infirmary so that any subsequent application for a deferred examination may be supported by a medical

certificate. The Registrar should be notified of the circumstances in writing within 48 hours of the examination.

Should a student write an examination, hand in his paper for marking, and later report extenuating circumstances to support his request for cancellation of his paper and for another examination, such request will not be entertained.

5. **Statement of Record.** After the end of the Summer Session a statement of record will be mailed to each student at the home address indicated on his registration form. In the case of failure, the statement of record will include information regarding supplemental examinations.
6. **Appeals.** Final examination papers may be re-read on an appeal being made to the Registrar within 30 days after the publication of results, accompanied by a fee of \$10.00 for each paper. The fee will be returned if the appeal is sustained, i.e., if a failure is changed to a pass, or Class III standing to Class II.
7. **Supplemental Examinations.** Supplemental examinations will be written immediately at the commencement of the next Summer Session. A student who fails a course in the 1958 Summer Session may apply to the Registrar for permission to take a supplemental examination, application to be made not later than June 1st, 1959. Any student neglecting to take or failing to pass a supplemental examination is required to repeat the course or take an equivalent one.
8. **Deferred Final Examinations.** A student who has missed a final examination because of illness or domestic affliction may apply for a deferred final examination to be written at the commencement of the next Summer Session (see section 4 above).
9. **Examination Fees.**
 - (a) *Final Examinations:* No fee is levied for final examinations written during the regular examination periods.
 - (b) *Supplemental Examinations:* A fee of \$10.00 is charged for each supplemental examination written during a regular supplemental examination period. Applications for supplemental examinations received after June 1st must be accompanied by an additional fee of \$5.00 and may not necessarily be accepted.
 - (c) *Deferred Final Examinations:* A fee of \$5.00 is charged for each deferred final written during regular supplemental examination periods. The fee for special deferred finals requiring the setting of special papers is \$10.00 per paper.
 - (d) *Special Supplemental Examinations:* For special supplemental examinations a fee of \$15.00 is charged for each subject.
 - (e) *Outside Centres:* An additional fee of \$3.00 per subject is charged for writing supplemental examinations in established Alberta centres other than Edmonton and Calgary.

LIVING ACCOMMODATION

Residential accommodation is provided in the University residence halls for a limited number of students. Only **bona fide** students are permitted their use. Applications for reservations, accompanied by a deposit of ten dollars (\$10.00),

should be made directly to the Bursar and should be made early. Rooms will not be held beyond the night of July 2nd unless special arrangements have been made with the Bursar, nor will room deposits be returned unless cancellation has been received before the opening date of the Summer Session.

The rate for room and board in the residences is \$90.00 for the six-weeks period for rooms having two occupants, and \$97.50 for single rooms. In a few cases the single rate is applicable where large rooms have more than one occupant. These amounts (less the ten-dollar deposit fee) are payable on or before July 2nd, 1958.

The University Cafeteria provides a full meal and restaurant service for the convenience of students, and in addition the Snack Bar in the Students' Union Building is open during hours adapted to their needs.

The University has a second cafeteria in the Education Building with hours adapted to the needs of students taking courses in that building.

While the University authorities cannot accept responsibility for finding suitable accommodation for students, they are anxious to give whatever assistance they can in the matter. A special service in this regard has been provided. Prior to the Summer Session, **Student Housing Service** prepares lists of rooms which may be consulted by students looking for such accommodation. The service operates as a part of the Student Advisory services and is located on the first floor of the Administration Building. The housing phone is 369385. Suitable living accommodation of this sort is difficult to find. In particular, there is great difficulty in finding suitable accommodation for married students.

A limited amount of accommodation is available in St. Stephen's College and St. Joseph's College. Details can be secured by writing directly to the colleges.

Jurisdiction over the conduct of students in the University residences during the Summer Session is vested in the Provost, the Wardens, and the men's and women's house committees authorized by the Dean's Council for this purpose.

Among the rules of discipline appears the following: "The use of, bringing or having liquor on University premises, including residences, is strictly prohibited."

STUDENT ADVISORY SERVICES

The University provides a counselling service available at any time of the year to all University students and prospective students.

1. **Prospective Students:** A bulletin, "Information for Prospective University Students", has been prepared to answer the questions commonly asked. Interviews can be arranged at any time prior to the opening of the Summer Session.
2. **Counselling Service:** Students may make use of the service in regard to studies, vocational choice, personal and financial problems.
3. **Change of Faculty:** Students contemplating a change of school or faculty are advised to consult the Director of Student Advisory Services. This should be done well before the opening of the session.
4. **Student Housing Service:** See preceding section on living accommodation.

Enquiries should be addressed to Student Advisory Services, The University of Alberta, Edmonton. The office of the Director, Professor A. J. Cook, is on the first floor of the Administration Building. The telephone number is 369229.

DEAN OF WOMEN

The Dean of Women, Associate Professor M. S. Simpson, has her office in the Administration Building, second floor west, telephone 369216.

MEDICAL SERVICES

The Medical Services Fund is a trust fund maintained solely by the fees paid by the members of the Students' Union of the Summer Session. It can, therefore, provide only for treatment of minor ailments and cannot be expected to take care of prolonged or otherwise costly illness.

Students are urged to be in possession of the telephone number of the Infirmary (331765) and of the consulting hours of the Medical Director. In cases of illness or emergency the nurse in charge should be called without delay.

REDUCED RAILWAY AND BUS FARES

Students, instructors, and dependent members of their families attending the Summer Session from points in Canada are entitled to reduced fares. During the period of three days prior to and the first three days of the session they may purchase a regular one-way fare from their ticket agent and obtain a standard convention certificate. In order to be valid for the purchase of the return trip ticket, this certificate must be signed by the Bursar or the Director of the Summer Session.

EXTRACURRICULAR ACTIVITIES

Students are urged to remember that the extracurricular program of the Summer Session is rich in opportunities for the enjoyment of sports as well as social and educational activities.

1. **Sports:** Students who are interested should bring appropriate clothing and equipment for participation in football, bowling, tennis, badminton, golf, archery, swimming and hiking.
2. **Social:** Social activities include both informal and semi-formal dances, sing-songs, hymn-sings, afternoon teas, musical recitals, and dramatics.
3. **Educational:** The extracurricular educational program consists mainly of lectures delivered by speakers chosen for their competence in the fields in which they speak. In addition, there are talks on music, and music appreciation periods.

FALL CONVOCATION, 1958

Summer Session students who expect to qualify for a degree to be conferred at the Fall Convocation, 1958, should note carefully that announcements regarding the Convocation will be sent to their homes or permanent addresses as reported on their Summer Session registration forms. It is the responsibility of these students to advise the Registrar of changes in their addresses.

EVENING CREDIT PROGRAM

Through its Evening Credit Program, the University offers courses for credit at various centres in the evening and on Saturdays. The purpose of this program is to enable persons employed during the day to commence or continue university study. Admission requirements to all Faculties and Schools are the same as those for students registered in the regular winter session.

In 1957-58, classes are being held at the following centres: Edmonton, Cal-

gary, Lethbridge, Medicine Hat, Red Deer, Camrose, Vegreville and Holden. Further courses are planned for these centres in 1958-59.

An important feature of the Evening Credit Program is that advance registration is required of all students. Registration forms, completed in triplicate, must reach the office of the University Registrar at Edmonton, or be postmarked, not later than September 10.

The Evening Credit Program Announcement and registration forms will be available for distribution around June 15, 1958. Requests for same should be addressed to the Registrar, University of Alberta, Edmonton.

For further information, students are invited to write Dr. J. W. Gilles, Director, Evening Credit Program, University of Alberta, Edmonton.

FACULTY OF GRADUATE STUDIES

The Faculty of Graduate Studies administers programs leading to the degrees of Master of Arts, Master of Education, Master of Science, and Doctor of Philosophy, and makes recommendations for granting the degrees of Doctor of Science and Doctor of Letters. Graduates who have not been accepted as candidates for degrees may register as "provisional graduate students" if they are desirous of seeking admission to candidacy at a later date.

Students proposing to do graduate work in the Summer Session leading to the M.A., M.Ed., and M.Sc. degrees should familiarize themselves with the regulations and procedures set forth in the Calendar of the Faculty of Graduate Studies, which may be obtained from the Registrar. A few of the more important general regulations are given below.

Admission

Application for admission to the Faculty of Graduate Studies must be filed not later than March 15th on forms supplied by the Dean of that Faculty. A graduate of another University must arrange with the Registrar of that institution to forward a transcript of his academic record to the Dean of the Faculty of Graduate Studies prior to March 15th. The Dean may require the applicant to furnish an official description of the content of the courses listed on the transcript.

Registration

An applicant accepted by the Faculty as a candidate for an advanced degree, other than that of Doctor of Science, or as a "provisional graduate student", is required:

- (a) to register not later than April 30th if he proposes to work on his program in the Summer Session;
- (b) to register for every session during which he plans to use University laboratory or library facilities;
- (c) to register for the session in which he expects to complete his degree program; and
- (d) to file with each set of registration forms a program of studies signed by the head of the department or decision responsible for his graduate study program. (Registration and program forms may be obtained from the office of the Dean of the Faculty of Graduate Studies and must be returned to that office when completed.)

Thesis and Oral Examination

A candidate planning to graduate at the Fall Convention must submit his thesis not later than September 15th and pass an oral examination not later than October 1st.



Arts Building, Edmonton, Alberta

FACULTY OF ARTS AND SCIENCE

The Faculty of Arts and Science offers courses leading to the degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Commerce, and Bachelor of Science in Household Economics. It also offers courses in association with other faculties leading to a variety of professional degrees. For fuller details, students should consult the Faculty of Arts and Science Calendar, which may be secured from the Registrar's office.

Students who are planning to begin work in the Faculty of Arts and Science in the 1958 Summer Session should consult the Dean of the faculty or the Registrar of the University.

Except by special permission of the Council of the Faculty, no student under its jurisdiction may offer for credit in any period of twelve months from September 1st to August 31st more than five courses, either in the regular winter session from September to April, or both the winter and the summer sessions. Except by special permission of the Council of the Faculty, no student may take in the Summer session more than two courses.

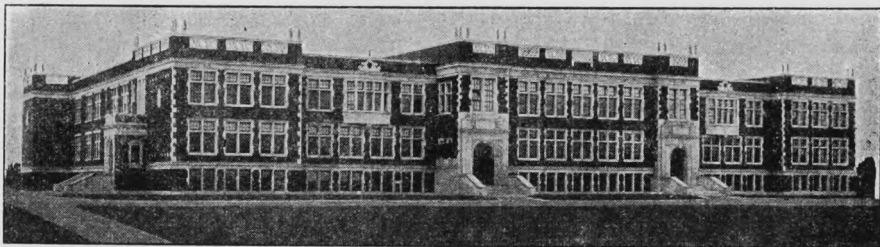
GRADUATION REQUIREMENTS FOR THE B.A. AND B.Sc. DEGREES

Students must obtain second-class standing, i.e., a mark of 65%, in not less than **six** courses, of which at least **four** are taken in the second and third years.

Students who began their work for these degrees before September of 1952 may also take advantage of the previous regulation, i.e., of the **senior** courses taken in the second and third years, **four** must be passed with at least second-class standing.

REQUIREMENTS FOR B.A. AND B.Sc. AFTER B.Ed.

Students who have qualified for the degree of B.Ed. may proceed to the degree of B.A. or B.Sc. Students proposing to secure the B.A. or B.Sc. in this manner will be expected to select their subjects in conformity with one of the standard Arts and Science patterns and are advised to consult the Dean of the Faculty of Arts and Science about their programs. If they have met the matriculation requirements of the Faculty of Arts and Science and have completed **thirteen** Arts and Science courses, they will be required to complete at least **six** approved senior courses in the Faculty of Arts and Science, with at least second-class standing in four of these courses. Students with incomplete matriculation for Arts and Science will be required either to remove these deficiencies or to secure credit in University courses of an equivalent standard. Students who have credit in fewer than thirteen Arts and Science courses may be required to complete additional courses.



Education Building, Edmonton, Alberta

FACULTY OF EDUCATION

The Faculty of Education has been given the responsibility of providing teacher education in Alberta. It is organized for the professional preparation of teachers for elementary and high school grades, and for graduate study and research in the field of education.

Except by special permission of the Council of the Faculty, no student under its jurisdiction may offer for credit in any period of twelve months from July 1st to June 30 more than the number of courses included in a year of the regular program. Except by special permission of the Council of the Faculty, no student may take in the Summer Session more than two courses.

DEGREE PROGRAMS

In the Summer Session, the Faculty of Education offers the following programs leading to degrees.

Two Four-Year B.Ed. Programs

One of these, known as the Elementary Route program, is designed primarily to prepare teachers for the elementary grades; the other, the Secondary Route program, for the high school grades. The latter program demands a moderate amount of specialization in terms of majors and minors. The Elementary Route program provides for a more general training.

Normally, a student may transfer from one route to the other at any point in the four-year program, provided he obtains credit in subjects of the new program which were not included in the former one.

B.Ed Programs for Graduates

These programs are designed for students who hold pass or honors degrees.

M.Ed. Degree Programs

See below for a brief statement.

CERTIFICATION PROGRAMS

The Faculty of Education does not award teaching certificates. These are issued by the Provincial Department of Education on the basis of work taken in the Faculty of Education or elsewhere. In the Summer Session, the Faculty of Education offers several programs leading to certification.

General Certification Programs

Students may qualify in the Summer Session for the following classes of general teaching certificates.

Junior E Certificate (Valid to teach Grades I-IX)

This certificate is granted to candidates who have completed a special one-year course in teacher education and who have met matriculation requirements.

Standard E Certificate (Valid to teach Grades I-IX) and**Standard S Certificate (Valid to teach Grades IX-XI)**

Candidates who have completed a one-year course in teacher education and who have clear matriculation may qualify for these certificates by completing the second year of the appropriate B.Ed. program.

Professional Certificate (Valid to teach Grades I-XII)

This certificate is granted to candidates who have completed the first three years of the B.Ed. program, Elementary or Secondary Route.

Special Certification Programs

On the recommendation of the Faculty of Education, the Department of Education issues special certificates in the following subjects: Administration, Art, Business Education, Dramatics, Guidance, Household Economics, Industrial Arts, Primary Work, Music, and Physical Education. The requirements for these special certificates are given at the end of this section of the Announcement.

ADVANCE CREDITS FOR CERTIFICATED TEACHERS

Certificated teachers who have had a year of teacher education and who have clear matriculation into the Faculty of Education will be given credit for the first year of the four-year B.Ed. program.

A maximum of three course credits will also be allowed in this program for courses completed in the summer sessions conducted by the Alberta Department of Education in the years 1935 to 1943 inclusive, one course credit being allowed for every 75 hours of certified attendance. Certificates covering these summer session credits should be forwarded to the Dean, Faculty of Education, for evaluation.

THE JUNIOR E PROGRAM**(Emergency Teacher Training Program)**

The Junior E Program is a special one-year course which normally is given only in the regular session. At the present time, students specially selected by the Department of Education are being allowed to complete this program in three consecutive Summer Sessions. This arrangement constitutes the Emergency Teacher Training Program.

This program is gradually being discontinued. No new students will be admitted to it in the 1958 Summer Session.

The Program

First Session	Second Session	Third Session
Not	Ed. 129	Ed. 138
offered	Ed. 153	Ed. 151
in	Ed. 176	Ed. 159Su
1958	Phys. Ed. 105	Phys. Ed. 101

Admission Requirements

To the Second and Third Sessions

- (1) The High School Diploma.
- (2) Standing (B or higher) in English 30, Social Studies 30, and a third Grade XII examination subject, with an average of 60% in the three subjects. If the average in these three is less than 60%, the applicant must present at least B standing in a fourth Grade XIII examination subject.
- (3) A recommendation from a Superintendent of Schools.

Note: Applicants of age 20 or over will not be required to present the High School Diploma but will be required to present four (4) Grade XII examination subjects, including English and Social Studies, with at least B standing in each.

Procedures and Regulations

Students who wish to register for the second and third sessions in this program are required to observe all the procedures and regulations set forth in the General Section of this Announcement.

THE ELEMENTARY B.Ed. PROGRAM

This program is open only to students who have clear matriculation into the Faculty of Education.

Upon completion of the first two years, candidates are eligible for the Junior Diploma of the Faculty of Education and the interim Standard E Certificate. Completion of three years entitles the candidate to the Senior Diploma of the Faculty of Education and the Interim Professional Certificate. The B.Ed. degree is granted upon completion of four years.

When planning their programs, students should study the possibilities of securing one or more of the special certificates listed at the end of this section of the Announcement. Having met these requirements, they should apply to the Registrar, Department of Education, for issuance of the appropriate certificates.

Special Program for Certificated Teachers (Elementary Route)

First Year

Credit granted on the basis of at least seven months of teacher education.

Second Year

1. English 2 or 5E.
2. Education option: One of Ed. 224, 306, 312, 322A, 322B, 324, 328, 330, 338, 438, 478 as offered.
3. One of Botany 5, Geography 1, or Zoology 5Su.
4. History 8.
5. One of Art 35, Education 34, or Music 35.
6. Arts and Sciences option. (See note 2 below.)

Third Year

1. Education 376.
2. Philosophy 40, 52, 54, or 61. (Philosophy 44 or 56 may be offered by Roman Catholic students.)

3. Senior Education option.
4. Arts and Science option. (See note 2 below.)
5. Arts and Science option. (See note 2 below.)

Fourth Year

1. Education 492.
2. English 54.
3. }
4. } Three **senior** Arts and Science options. (See note 2 below.)
5. }

Graduation Requirement

Students must secure second-class standing or better in a least four of the courses of the third and fourth years in order to qualify for the B.Ed. degree.

Notes on the Program

1. Candidates are reminded that they will be recommended for the Junior Diploma of the Faculty of Education and the Standard E Certificate only when they have obtained credit in all of the courses of the second year as outlined above.
2. The options are to be so chosen that the total program includes at least two courses from each of groups 1, 2, and 3 listed immediately below.
3. (a) For a list of Arts and Science options offered in the 1958 Summer Session consult the section of this Announcement entitled "Details of Courses".
 (b) Courses in Philosophy and Psychology are not acceptable as Arts and Science options in the Faculty of Education.
 (c) **Senior** Arts and Science options are numbered 40 or higher. Before selecting a senior course, a student should make sure that he holds credit in the prerequisite, if any.

Recommended Options

Caution: Not all of these courses are being offered in the 1958 Summer Session.

Group 1: English-Language

Classics in English 50, 51.
 English: All courses.
 French 1, 2, 50.
 Old and New Testament Lit. 51.

Group 3: Mathematics-Science

Botany 1, 5, 50.
 Chemistry 1, 40, 42.
 Entomology 41.
 Genetics 52.
 Geography 1.
 Geology 1.
 Mathematics 1 or 5, 40, 45, 46, 53.
 *Physical Science 41.
 Physics 1, 41.
 Zoology 1, 5Su.

Group 2: History-Pol. Ec., etc.

Classics 52, 53, 55, 56, 57.
 Economics 1, 2, 61, 64, 65.
 Geography 50, 51, 70, 71.
 History 58, 59, 60, 61, 65, 72, 73, 74, 75, 76.
 Pol. Sc. 3, 54, 55, 56, 58.
 Sociology 40, 50, 53, 54, 56, 60.

Group 4: Special

Arts 35, 51, 53, 61.
 Christian Apologetics (for Roman Catholic Students)
 Drama 35, 40, 51, 52, 53, 55, Ed. 436.
 Ed. 34, Music 35, 45, 51.
 Physical Education 103-107 or 104Su, 202, 302, 410.

*Physical Science 41 is not acceptable in a program including a course in Chemistry, Physics, Astronomy, or Geology.

Opportunities for Specialization

1. In the Elementary Route Generally

Space for special education courses in the B.Ed. program (elementary route) is limited. One may be offered as item 2 of the second year and another as item 3 of the third year. A third will be accepted in lieu of an Arts and Science option of the fourth year if intent to specialize has been demonstrated.

2. In Primary Work

Candidates wishing some degree of specialization in primary education should note the requirements for the primary certificate detailed in the section on Special Certificates below. Early planning will allow all courses a place in the B.Ed. program.

3. In Opportunity-Room Teaching

The following courses are suggested: Education 308, 310, 324, 370Su, 372, 424, 470Su, 472, and 474.

THE SECONDARY B.ED. PROGRAM

This program is open only to students who have clear matriculation into the Faculty of Education.

Upon completion of the first two years, candidates are eligible for the Junior Diploma of the Faculty of Education and the Interim Standard S Certificate. Completion of three years entitles the candidate to the Senior Diploma of the Faculty of Education and the Interim Professional Certificate. The B.Ed. degree is granted upon completion of four years.

Candidates must select (a) a major field of study, and (b) a minor field. A list of majors and minors and regulations relating thereto will be found immediately below.

In addition to meeting the requirements with respect to the selection of a major and a minor, students must arrange their total programs to include at least one course from each of the Division A, B, C courses listed by the Faculty of Arts and Science, i.e.:

Division A—English, Languages, Classics in English 50 and 51, Fine Arts, Old and New Testament Literature.

Division B—History, Ancient History (Classics 52, 53, 54, 55, 56, 57), Economics, History, Geography 50, 51, 70, 71, Political Science, Sociology.

Division C—Mathematics and Sciences.

When planning their programs, students should study the possibilities of securing one or more of the special certificates outlined at the end of this section of the Announcement. Having met these requirements, they should apply to the Registrar, Department of Education, for issuance of the appropriate certificates.

Majors and Minors

Group	Major	Minor
1. English	English 2 and any three senior courses (English 70 recommended).	English 2 or 5E, and one senior course(English 70 recommended).
2. French	French 2 and and three senior courses (French 53-Su recommended).	French 2 and one senior course (French 50 or French 53Su recommended).
3. Latin	Latin 2 and any three senior courses (including Classics 51).	Latin 2 and Latin 40.
4. Other Foreign Language	Four approved courses.	Two approved courses.
5. History, Political Economy or Science, Sociology	History 8 or 10, History 58 or Political Science 54, and any other two additional senior courses.	History 8 or 10, and one senior course (History 58 or Political Science 54 recommended).
6. Mathematics	Mathematics 1 or 5, Mathematics 40 and any two of Mathematics 41, 43, 45, 46, 50, 51, 61.	Mathematics 1 or 5, and any one of Mathematics 40, 43, 45, 46, 50, 51, 53.
7. Biological Sciences*	Any four of: Botany 1, 50, 51, 53; Zoology 1, 51, 52, 53, 56, 57; Entomology 41, 62, 64; Genetics 51 or 52; Physiology 60. Biology 41 (if taken with three of Entomology 41, Genetics 51 or 52, Botany 50, and Physiology 60).	Any two courses listed for a major.
8. Physical Sciences*	Any four of: Physics 1, 35, 41, 53, 46, 50, 58; Chemistry 1, 40, 42, 54, 58; Geology 1, 51, 55, 57, 59; Geography 1, 52 (with consent of instructor); Mathematics 53 (Astronomy).	Any two courses listed for a major. Physical Science 41 may be taken only with Geography 1 or Mathematics 53.

*Normally it will be advisable to choose two courses from each of two subject areas (e.g., two courses in botany and two in zoology, or two courses in physics and two in chemistry). The student may, however, choose all four courses from a single area if he wishes.

Group	Major	Minor
9. Fine Arts	Four approved courses in art, or in music, or in drama; or two approved courses in two of the above areas.	Two approved courses in art, or in music, or in drama.
10. Household Economics	Household Economics 11 and 12, and two of 44, 45, 46.	Household Economics 11 and 12.
11. Business Education	Education 246 or 346 and any three of the following: Accounting 1, Accounting 52, Education 248 or 348, Education 350 or Business Administration 55, Commercial Law 41.	Education 246 or 346 and any one of: Accounting 1, Education 248 or 348, Education 350 or Business Administration 55, Commercial Law 41.
12. Physical Education	Physical Education 103 or 104Su, Physical Education 302. Two activity courses	Physical Education 103 or 104Su, One activity course.
13. Industrial Arts	Education 141A-241A, 142B, 242C, 242D.	Two of Education 141-241A, 142B, 242C, 242D.

Regulations

1. If the major is elected from groups 1 to 8, the minor may be chosen from any other group.
2. If the major is elected from groups 9 to 13, the minor **must** be chosen from groups 1 to 8.

Special Program for Certificated Teachers (Secondary Route)

First Year

Credit granted on the basis of at least seven months of teacher education.

Second Year

1. Education 280S-Su.
2. Education option: One of Ed. 312, 322B, 328, 330, 338, 438 as offered.
3. One of Art 35, Drama 35, Ed. 34 or Music 35. (An Arts and Science option may be substituted if one of the preceding courses is elected under items 4 or 5. See note 2 below.)
4. Arts and Science option (in major field).
5. Arts and science option (in minor field).
6. English 2 or 5E. (An Arts and Science option may be substituted if English 2 or 5E has been elected under items 4 or 5. See note 2 below.)
7. Arts and Science option. (See note 2 below.)

Third Year

1. Education 376.
2. Philosophy 40, 52, 54, or 61 (Philosophy 44 or 56 may be offered by Roman Catholic students).
3. Senior Education option.
4. Senior Arts and Science option (in major field).
5. Senior Arts and Science option (in minor field).

Fourth Year

1. Education 492.
2. Senior Arts and Science option (in major field).
3. Senior Arts and Science option (in major field).
4. Senior Arts and Science option.
5. Senior Arts and Science option.

Graduation Requirement

Students must secure second-class standing or better in at least four of the courses of the third and fourth years in order to qualify for the B.Ed. degree.

Notes on the Program

1. Candidates are reminded that they will be recommended for the Junior Diploma of the Faculty of Education and the Standard S Certificate only when they have obtained credit in all of the courses of the second year as outlined above.
2. Students must include in the first two years of the program a Division C option; in addition, where possible, a Division B option.
3. (a) For a list of Arts and Science options offered in the 1958 Summer Session consult the section of this Announcement entitled "Details of Courses".
(b) Courses in Philosophy and Psychology are not acceptable as Arts and Science options in the Faculty of Education.
(c) **Senior** Arts and Science options are numbered 40 or higher. Before selecting a senior course, a student should make sure that he holds credit in the prerequisite, if any.

B.Ed. PROGRAMS FOR GRADUATE STUDENTS

The following are basic courses for graduate students from which selection will be made for the various purposes and for various categories of students according to the schedule below:

- (1) Ed. 180 or 280E or 280S: Education Method.
- (2) Ed. 282: Observation and Student Teaching.
- (3) Ed. 362: Educational Administration.
- (4) One of Ed. 308, 310, 478, or a suitable course approved by the Division of Educational Psychology.
- (5) Ed. 476: Educational Psychology.
- (6) One of Philosophy 40, 52, 54, 61 (Philosophy 44 or 56 may be offered by Roman Catholic students).
- (7) Ed. 492: Philosophy of Education.

- (8) An approved senior A, B, C, or senior Education option.*
- (9) An approved senior A, B, C, or senior Education option.*

CERTIFICATION AND GRADUATION REQUIREMENTS

Non-Certificated Candidates

Holding B.A. or Equivalent Degree:

- Interim Standard S or E: (1) to (5) inclusive.
- Interim Professional: (1) to (7) inclusive.
- B.Ed. degree: (1) to (9) inclusive.
- Graduation requirement: Four seconds or firsts.

Holding M.A. or Honors Degree:

- Interim Professional: (1) to (5) inclusive.
- B.Ed. degree: (1) to (7) inclusive.
- Graduation requirement: Four seconds or firsts.

Certificated Candidates

Holding B.A. or Equivalent Degree:

- Interim Standard S or E: (1), (5).
- Interim Professional: (1), (5), (6), (7).
- B.Ed. degree: (1), (5), (6), (7), (8), (9).
- Graduation requirement: Three seconds or firsts.

Holding M.A. or Honors Degree:

- Interim Professional: (1), (5).
- B.Ed. degree: (1), (5), (6), (7).
- Graduation requirements: Three seconds or firsts.

Note:

The holder of a first-class certificate and a B.A. or M.A. or equivalent degree is entitled to a professional certificate without further requirement.

THE M.ED. DEGREE

Students interested in this degree should refer to the section of this Announcement which deals with the Faculty of Graduate Studies.

Students planning to **begin** work on an M.Ed. degree in the 1958 Summer Session should observe the following procedures:

1. Secure from the Registrar or from the Faculty of Education a copy of the calendars of the Faculty of Education and of the Faculty of Graduate Studies.
2. Secure from the Faculty of Education a copy of "Preliminary Information for Candidates for the M.Ed. Degree." Forms for making application for admission to the Faculty of Graduate Studies will accompany this document.
3. Submit the Application for Admission form to the Dean of the Faculty of Graduate Studies. This must be done before March 15. Then consult the Faculty of Education through the Divisional Chairman in whose division the major part of the work is to be done.
4. With the Divisional Chairman, work out a program of study for submission to the Faculty of Graduate Studies for its approval.

*With divisional approval, well qualified students may elect a graduate course in Education.

CERTIFICATION OF OUT-OF-PROVINCE TEACHERS

Teachers holding certificates not issued by the Province of Alberta should apply directly to the Registrar, Department of Education, Administration Building, Edmonton, for an equivalent Alberta teaching certificate.

Frequently one condition of making such certificates permanent in Alberta is the successful completion of two courses at a University of Alberta Summer Session. The Registrar, Department of Education, will decide whether this is required. When such courses are prescribed they should be chosen in consultation with the Dean, Faculty of Education.

It is important that candidates who wish these courses to count for degree credit as well as for certification consult with the Faculty to make sure that they fit into the degree program. Candidates with the B.A. or similar degree may wish to begin the B.Ed. program for graduates described above. Those with the B.Ed. degree who may wish to be considered for the M.Ed. program should elect courses numbered over 500.

SPECIAL CERTIFICATION IN ADMINISTRATION

A revised program of four courses leading to the Special Certificate in Educational Administration will come into effect on July 1, 1958. For further information regarding the courses required, see the section on Special Certificates below.

SPECIAL CERTIFICATION IN GUIDANCE

Revised programs leading to the Junior and Senior Certificates in Guidance will come into effect on July 1, 1958. For details of the requirements for each certificate, see the section on Special Certificates below.

SPECIAL CERTIFICATION IN HIGH SCHOOL SUBJECTS

Special certification is required for the teaching of certain high school courses in art, business education, dramatics, home economics, industrial arts, music, and physical education. For specific information on this matter, teachers should consult the current editions of the Junior High School and Senior High School Handbooks.

In many instances students will be able to meet requirements for special certificates in whole or in part while following programs leading to the B.Ed. or M.Ed. degree.

In the tables given below all special certificates are listed, together with the credits required to obtain each.

Certification in Business Education

Revised programs leading to certification in Business Education will come into effect on July 1, 1958. After that date teachers will not be able to qualify for special certification in Business Education by writing special examinations. For the names of the new certificates and for details of the requirements for each, see the section on Special Certificates below.

Teachers who hold special certificates in commercial subjects issued under former regulations, or who may have commenced work on such certificates,

should communicate with the Registrar, Department of Education, Edmonton, for information concerning the additional courses, if any, in which they must obtain credit in order to qualify for the new Certificates in Business Education.

SPECIAL CERTIFICATES

Note: For information concerning the special certificates required for the teaching of specific high school subjects, teachers should consult the current editions of the Junior High School and Senior High School Handbooks.

Subject and Certificate	Requirements for Certification
ADMINISTRATION—	
	(a) Education 564.
	(b) Two of Education 560, 562 or 566.
	(c) A senior or graduate course approved by the Division of Educational Administration.
	(d) Permanent Professional Teaching Certificate.
BUSINESS EDUCATION—	
Junior	Accounting 1, Education 346 (or 246 and 345), Education 348 (or 248 and 347).
Senior	Com. Law 41, Education 350, and the Junior Certificate.
Advanced	B.Com. Degree, Teacher's Certificate valid in Grade XII, and the Senior Certificate in Business Education.
DRAMATICS—	
Junior	Drama 35, Ed. 255.
Senior	Drama 55, one of Drama 51, 52, 53, or Ed. 436, and the Junior Certificate.
GUIDANCE—	
Junior	(a) Education 376.
	(b) Education 308 or 310.
	(c) One of Education 474, 478 or the remaining course from item (b) above.
	(d) Permanent teaching certificate.
Note: Education 308 is recommended for persons intending to be counsellors in the secondary schools, and Education 310 for teachers in the elementary or secondary schools who are interested in Guidance.	
Senior	(a) Education 474—574 or 510.
	(b) Education 508 or 526.
	(c) Education 478 and 576 or Mathematics 45 and Education 578.
	(d) The Junior Certificate in Guidance.
	(e) Two years experience as a counsellor (or equivalent experience) approved by the Provincial Supervisor of Guidance.
Note: If Education 474 has been included for the Junior Certificate, credit in Education 510, or an approved alternative, must be secured.	
HOME ECONOMICS—	
Junior	H.Ec. 11 (or H.Ec. 51 and H.Ec. 2) and H.Ec.12.
Senior	Two of H.Ec. 44, 45, 46, in addition to the Junior Certificate.
	Teacher's certificate valid in Grade XII together with B.Sc. in H.Ec. degree.
MUSIC—	
Junior	Ed. 153 or Ed. 253, Music 35.
Senior	Music 45, Music 51, and the Junior Certificate.
PHYSICAL EDUCATION—	
Junior	Phys. Ed. 101, 103 or 104Su, 105, one activity course.
Senior	Phys. Ed. 302 or 307-319, one activity course and the Junior Certificate.
Advanced	B.Ed. in Physical Education degree or B.P.E. degree and appropriate general certification up to and including the Grade XII level.

Subject and Certificate	Requirements for Certification
PRIMARY—	(a) Ability to play the piano with sufficient skill to satisfy ordinary demands when teaching songs and rhythms. (b) Ed. 176 or an equivalent Normal School course. (c) Ed. 280E or successful teaching experience in the primary grades. (d) Art 35 or Drama 35 or Ed. 34 or Music 41 or equivalent. (e) English 54, Children's Literature. (f) One of Ed. 322A, Ed. 324. (g) One of Ed. 224, 322A, 324, 328.
INDUSTRIAL ARTS—	
Junior	(a) Credit in Ed.141A, 142B, 242C, 242D.
Senior	(b) Credit as for Junior Certificate plus Ed. 242F, and two of 242B, 342C, 342D.
Advanced	(c) Credits equivalent to shop courses of regular B.Ed. (I.A.) program (10 courses).
Specialist senior in a unit shop subject	(d) Possession of Journeyman's qualifications in an area of unit shop specialization and completion of the special second year of the Program for Journeymen.
Specialist advanced in a unit shop subject	(e) Possession of Journeyman's qualifications in an area of unit shop specialization and completion of the third year of the Special Program for Journeymen. or (f) Possession of Journeyman's qualifications in an area or unit shop specialization and completion of the third year of the Program for Indentured Apprentices.

NOTES:

1. A Candidate for a non-specialist certificate will ordinarily enrol in the secondary B.Ed. program, with a major in Industrial Arts.
2. A candidate for a specialist certificate should hold a journeyman's qualification recognized by the Alberta Apprenticeship Board, or become a registered apprentice early in the training program.

LEADERSHIP COURSE FOR SCHOOL PRINCIPALS

A special Leadership Course for School Principals will be held as part of the 1958 Summer Session from July 7th to 18th at Concordia College.

The course has been developed by the Alberta School Trustees' Association, the Alberta Teachers' Association, the Alberta School Inspectors' Association, the Alberta Department of Education, and the Faculty of Education in an effort to improve the quality of leadership at the school level.

It will be a seminar or workshop type of activity with the program built around the interests and concerns of the course members. While the course is under the official direction of the Faculty of Education, it will not carry any degree credit nor will there be any examinations.

Participation will be limited to 70 experienced principals sponsored by their school boards. The cost per member will be payable by the employing school board. It is expected that course members will live in residence at Concordia College for the two-week period.

Course members will be selected by February 28th. Interested principals should consult with their local superintendents and/or school boards for further details. Other information, as needed, may be obtained by writing to Dr. J. H. M. Andrews, Director, Leadership Course for School Principals, Faculty of Education, University of Alberta, Edmonton.

SUMMER SCHOOL OF LINGUISTICS

In response to a request from the Canadian Linguistic Association, the University will conduct a Summer School of Linguistics during the 1958 Summer Session. In so doing, the University recognizes the growing need for linguistically trained scholars, teachers, and government personnel. It is expected that the Summer School of Linguistics will be of interest not only to those who wish to embark on or continue a study of Linguistic Science as a major subjects but also

- (a) to teachers of English and foreign languages in high schools, colleges, and universities who wish to apply to language teaching the methods and results of modern linguistic science;
- (b) to advanced undergraduates and graduate students in such fields as English, Modern and Classical Languages, Anthropology, Philosophy, Psychology, and Sociology who may wish to combine the study of Linguistics with their major subject; and
- (c) to others such as museum and library staff, civil servants, and missionaries to whom a knowledge of linguistics is of value.

The following courses, described elsewhere in this Announcement, will be offered. All of these courses may be taken for University credit.

Descriptive Linguistics 104

General Linguistics 105Su

English 91—Modern English Grammar

English 92—Linguistic Geography

Education 438—Teaching English as a Second Language

Classics 114Su—Comparative Classical Philology

English 70—History of the English Language

French 80Su—Romance Philology

Regulations concerning admission, registration, fees, pre-session study and examinations are the same as those for other courses offered in the Summer Session and may be found in the General Section of this Announcement.

A brochure giving full details concerning the Summer School of Linguistics is available on request. Additional information may be obtained from Dr. Ernest Reinhold, Director, Summer School of Linguistics, University of Alberta, Edmonton, Alberta, Canada,

DETAILS OF COURSES

Notes:

1. The University reserves the right to restrict registration in, or to withdraw, any of the courses here outlined.
2. The number of hours of instruction per week is shown at the top of each course description. The first figure in a set of two indicates lecture-hours; the second, laboratory hours. The letter "L" attached to a single figure signifies lecture-laboratory hours.
3. The following symbols are used to identify certain categories of courses:
 - *—Arts and Science courses.
 - ‡—Courses which students in the Faculty of Education may elect in lieu of Arts and Science courses.
 - †—Laboratory courses. Students who register in these courses will be assessed an additional laboratory fee of \$5.00 per course.
 - §—Courses open only to students registered in the Emergency Teacher Training Program.

*‡Accounting 1—Elementary Accounting

(10-8)

INSTRUCTOR TO BE ANNOUNCED

This course is designed to present the language of accounting to the student. The course is devoted to the mechanics of accounts and their application to specific conditions which arise in the business world. Attention is directed to the characteristics of the various forms of business organizations and the accounting implications from the standpoint of legal as well as managerial requirements.

An introductory presentation is made of the principles of auditing and internal control.

The principles of valuation as applied to inventories, fixed assets, and accounts receivable are considered.

The topic of financial statement analysis is introduced.

‡†Art 35 (formerly 43)—Principles of Design and Composition

(20L)

J. B. TAYLOR, HELEN STADELBAUER, E. N. YATES AND DORENA FLEWELLING

The study and practical application of the principles of composition and picture-making, methods of construction in design, and use of the conventional and abstract forms.

NOTE: This course will be offered in two sections scheduled for different hours. (See timetable).

*‡Art 40—Fundamentals of Drawing

(20-L)

INSTRUCTOR TO BE ANNOUNCED

Theory and practice of drawing; analysis of masters' drawings; study of line, form, pattern, light and shade; portrait and figure construction; life drawing using both long and quick poses.

***Art 61—Art History and Appreciation** (10-0)

INSTRUCTOR TO BE ANNOUNCED

Survey of Art in Europe from Renaissance to modern times.

Analysis of architecture, sculpture, painting and graphic arts of the following periods: Flemish and German, fourteenth to sixteenth centuries; Spanish, fifteenth to eighteenth centuries; Dutch, English and French, sixteenth to nineteenth centuries.

Modern schools, French, English, American and Canadian, etc.

Prerequisite: Art 51, for Arts and Science students only.

††Botany 5—Natural History of Alberta Plants (10-12)

LORENE L. KENNEDY

Basic features of plant structure, development and classification; life habits of important plant groups with special reference to native plants and plants of economic importance; outstanding characteristics of the vegetation of Alberta; conservation topics.

***†Chemistry 1 or A** (10-12)

M. A. NAY

Lectures: An elementary survey of chemical science and industry, illustrated by the chemistry of metals, non-metals, and carbon compounds.

Laboratory: Experiments related to the lecture material.

NOTE: Students requiring Chemistry in order to complete matriculation requirements should register in Chemistry A. Only students who have clear matriculation, but lack credit in Grade XII Chemistry, may register in Chemistry 1 for degree credit.

***†Chemistry 40—Inorganic Chemistry** (10-12)

R. M. MCCREADY

Lectures: The principles of inorganic and analytical chemistry. Chemistry of the metals and their compounds.

Laboratory: Qualitative semimicro inorganic analysis.

Prerequisite: Chemistry 1 or its equivalent.

***Classics 54—History of Ancient Art** (10-0)

E. C. MAY

A history of the rise and progress of ancient art from the Cretan period through the Graeco-Roman age. An examination of the aims and principles underlying ancient art. The course will be fully illustrated from the department's collection of slides and photographs. This course is an open option in Division A for all students in the second and third years of the Faculty of Arts and Science.

***Classics 114Su—Comparative Classical Philology** (10-0)

MARGERY MACKENZIE

An introduction to the study of the Indo-European language groups with particular reference to Greek and Latin. Special attention will be given to phonology, etymology, semantics and morphology, and the comparative syntax of Greek and Latin. A reasonable knowledge of one of Greek or Latin is essential.

‡Commercial Law 41 (10-0)

A. O. ACKROYD

An introduction to the study of commercial law, with special reference to the law relating to contracts; the law relating to chattel mortgages, bills of sale, agency, partnerships, and other forms of commercial association; selected statutes and readings.

*Descriptive Linguistics 104 (10-0)

J.-P. VINAY

A survey of the techniques used in the analysis and description of language structure with drill in practical applications to several living languages including American Indian and/or Eskimo.

A Division A senior option.

*†Drama 35—Elementary Acting and Stagecraft (10-10)

F. BUECKERT AND J. RIVET

(a) Acting: Practical and theoretical improvisations, stage performance and discussion. Emphasis is placed on the development of the actor through preparation for a role, acting scenes, and basic speech and body work. Elementary makeup.

(b) Stagecraft: Construction and painting of scenery; lighting; costumes; some reference to design.

*Drama 40—Voice and Speech (10-0)

INSTRUCTOR TO BE ANNOUNCED

This is an introductory course in speech with emphasis upon oral interpretation. The first part of the course will be devoted to a discussion of the importance of our spoken language, a study of the vocal mechanism and causes of poor phonation, and practice in the proper production of voice and speech. The second part will be concerned with the expression of personality through speech, audience psychology, oral interpretation and practice. Some reference will be made to other speech situations.

*Drama 51—The History of the Theatre to the Middle of the Nineteenth Century (10-0)

INSTRUCTOR TO BE ANNOUNCED

Emphasizes production methods, the structure and background of plays and other theatrical productions. A considerable amount of outside reading will be assigned throughout the session, including the reading of plays and critical essays.

*Economics 1 (formerly Pol. Ec. 1)—Principles of Economics (10-0)

WILLIAM MACKENZIE

A general introduction to the study of the tendencies underlying the wealth-getting and wealth-using activities of man.

(Prerequisite for all senior courses except Economics 61 and 65.)

*Economics 66—Money and Banking (10-0)

MILTON BAUER

The principles of money, monetary systems, commercial banking, central banking, monetary theory and policy, foreign exchange.

Prerequisite: Economics 1 or 51.

†Education 34—Music (10-5)

H. B. BARNETT

Open to Education students without music training adequate for admission to Music 35. Voice production, sight reading, ear training, rudiments of music, music history. Introduction to form. Instruments of the orchestra.

NOTE: This is not a methods course.

§Education 129—Science (5-0)

H. A. MACGREGOR

Divisions 1 and 2. Science and the integrated program; sources of materials; utilizing community resources; intra- and extra-classroom activities.

§Education 138—English (10-0)

INSTRUCTOR TO BE ANNOUNCED

Varied activities to develop the students' oral and written language; a study of poetry, prose and drama to broaden the students' background, to give them a deeper appreciation of literature, and to serve as standards for their own creative writing.

†Education 141A—241A—Mechanical Drawing (20L)

R. C. CARRAN

Use and care of drafting instruments and drafting equipment. Single-stroke lettering. Geometric drawing, including angles, polygons, tangents, and ellipses, with problems. The making and use of scales. Mechanical and architectural conventions. Conventional drawing of bolts and screws. Simple blueprint reading.

Orthographic projection, including sections and auxiliary views. Cabinet and isometric drawing. Shop sketching. Projection perspective and the plan method of mechanical perspective.

Assembly and detail drawing. Surface development drawing, including shapes based on type forms and triangulation methods. Simple building drawing. Drawing of shop projects involving design. Tracing and blue-printing.

§Education 151—Art (5-0)

MRS. JOYCE WADE

This is an introductory course which aims to awaken in the student an appreciation of the possibilities of art training in his present social environment, as well as its value in elementary school education. The course will offer fundamental art experiences which anticipate the obvious needs of teachers. Emphasis will be placed upon drawing, composition, color and the various media suitable for school use.

§Education 153—Music (5-0)

A. A. SMITH

A study of materials and methods used in music education in the elementary and junior high schools.

§Education 159Su—Discussion of Classroom Problems (5-0)

S. A. EARL

(Restricted to students in the third session of the Emergency Teacher Training Program.)

§Education 176—Introduction to Educational Psychology (10-0)

A. B. EVENSON AND A. E. D. SCHONFIELD

An introduction to childhood and adolescence, stressing physical, mental, social, emotional, and personality development; the psychology of learning and of the special learning areas; the application of psychological principles to classroom practice.

Education 224—Speech in the Elementary School (10-0)

MARY STRATTON

The basic elements of speech and listening; application of speech and listening in discussions, choral speech, story telling, radio speaking, and interpretive reading; the consideration of special speech problems of teachers and pupils.

†Education 242D—Metal Work (20L)

R. HENDERSON

Common metals and their alloys; elementary metallurgy; sheet metal work; introduction to welding, forging, casting, heat treating; bench work.

†Education 242F—Automotive Mechanics (20L)

R. J. EBY

The automobile and its power plant; general construction of the automobile; auxiliary systems; fuel, carburetion, lubrication, cooling; clutch and gear box; rear axles; drive shafts and universal joint(s); front axles and steering gears; brakes; miscellaneous.

†Education 246—The Teaching of Typewriting (20L)

C. HOLLINGSWORTH

This course is designed to offer instruction in the pedagogical aspects of teaching typewriting to others, to provide an understanding of the curriculum in typewriting in the secondary school, and to develop basic competency in typewriting. Open to students not eligible for admission to Education 346.

Education 255—Methods in School Drama (5-0)

J. RIVET

A survey of methods employed in the organization of activities in drama and in the teaching of drama.

Prerequisite: Drama 35 (Education 136).

Education 280S-Su—Education Method (10-0)

H. C. MELSNESS, GRACE DUGGAN, MARY CRAWFORD, J. C. JONASON, AND MARGUERITE MICHAUD

Subject matter organization and method in the high school grades. Required of all candidates qualifying for the Junior Diploma for the High School (and the Standard S Certificate) in the Summer Session. The course will be presented in sections as shown below. Each student is required to elect only one of these sections.

General Prerequisite: One year of teaching experience.

<i>Section</i>	<i>Prerequisites or Corequisites</i>
English	English 2 or 5E.
French	French 2. (Students presenting other preparation will have their cases considered individually.)
Household	
Economics	H.Ec. 11 or 12.
Mathematics	Mathematics 1 or 5 or any other Mathematics course carrying university credit.
Social Studies	One Division B option exclusive of Philosophy and Psychology.

NOTES:

1. Registration in Education 280S-Su will not be accepted from students who will be continuing their undergraduate studies in the winter session.
2. When registering in this course, students must indicate the section they propose to elect.
3. Students interested in Science or Industrial Arts should, if possible, delay registration in this course until 1959, when these sections will be offered. The Commercial section will be offered in 1960.

Education 306—Enterprise Education (10-0)

R. D. ARMSTRONG

A course for certificated teachers. This course is designed to establish a firmer appreciation of the principles basic to the enterprise method and to assist teachers to improve their competence where deficiencies in the use of enterprise method are most apparent.

Education 310—Mental Hygiene in Teaching (10-0)

T. M. CHENEY

Principles of mental hygiene; the dynamics of behavior; mental health of the teacher; classroom application of mental hygiene principles.

Prerequisite: Education 176 or equivalent.

†Education 312—Audio-Visual Aids (10-5)

D. S. HAMILTON

Theory of audio-visual aids; types of aids available for instructional purposes; principles and techniques of teaching with such aids; examination and preparation of audio-visual aids; experiences in the operation and care of specialized equipment.

Education 322A—Reading in the Primary Grades (10-0)

JEAN DEY

A course in reading instruction, including readiness for reading, development of fundamental reading abilities, selection of materials for instruction, and organization of the reading program.

Education 322B—Reading in the Intermediate and Junior High School Grades (10-0)

INSTRUCTOR TO BE ANNOUNCED

A course in reading instruction, stressing the organization and content of the basic reading program in the senior elementary grades, special reading problems in the content subjects of the junior high school, individualized instruction at all levels and the selection of reading materials.

Education 324—Creative Expression in the Primary Grades (10-0)

MAISIE V. WHEATLEY

The various forms of creative expression contributing to child development. These will include activities in language, dramatization, rhythms, art, music, and play.

Education 328—Arithmetic in the Elementary and Junior High School Grades (10-0)

A. J. CLARKE

A course in the teaching of arithmetic, including the implications of the learning process for the teaching of arithmetic; development of the program in the classroom; evaluation of learning and achievement; diagnosis and treatment of learning difficulties; and the selection of materials of instruction.

Education 330—Science in the Elementary and Junior High School Grades (10-0)

C. HAMPSON

A course in the teaching of science programs of the elementary and junior high school grades; development of appropriate laboratory equipment; selection of materials of instruction; field work.

Education 338—Language Arts in the Elementary and Junior High School Grades (10-0)

INSTRUCTOR TO BE ANNOUNCED

A course in the teaching of language arts in Grades I-IX; objectives, evaluation and instruction in oral and written English; spelling, penmanship, outlining, summarizing and note writing; diagnostic and remedial techniques; criteria for selection and placement of content. Special attention will be given to the integration of language and social studies in the junior high school grades.

Education 345—Typewriting Practice (Half Course) (0-10)

INSTRUCTOR TO BE ANNOUNCED

Required of candidates for the Junior Certificate in Business Education who hold either credit in Education 246 or the Junior Certificate in Typewriting. This course may not be presented for credit towards a degree. Prerequisite: Education 246 or the Junior Certificate in Typewriting.

†Education 346—The Teaching of Typewriting (20L)

WILLIAM T. WORBETS

This course is designed to offer instruction in the pedagogical aspects of teaching typewriting to others, to provide an understanding of the curriculum in typewriting in the secondary school, and to increase competency in typewriting.

Prerequisite: Typewriting 20 of the High School with B standing or equivalent.

NOTE: Students who hold the Junior Certificate in Typewriting may register in this course provided they do not already hold credit in Education 246.

Education 347—Shorthand Practice (Half Course) (0-10)

C. DE TRO

Required of candidates for the Junior Certificate in Business Education who hold either credit in Education 248 or the Junior Certificate in Shorthand. This course may not be presented for credit towards a degree.

Prerequisites: Education 246 or the Junior Certificate in Typewriting; and 248 or the Junior Certificate in Shorthand.

Education 362—Educational Administration 10 hrs.

INSTRUCTOR TO BE ANNOUNCED

A basic course in educational administration dealing with topics of special significance to the classroom teacher. Some of the topics are: The Alberta School System, School Law, Classroom Management, Records and Reports, Extracurricular Activities.

***Education 376 (476)—Educational Psychology (10-0)**

J. A. SCHULZ AND M. T. PATTON

Individual differences; psychology of learning and forgetting; motivation; personality, adjustment, and mental hygiene; introduction to evaluation and the testing program.

Prerequisite: Education 176, Normal School Psychology, Psychology 40, or equivalent.

Education 438—Teaching English as a Second Language (10-0)

W. F. MACKEY

A course designed to acquaint teachers with approved methods of teaching English to young people and adults whose native language is not English.

NOTE: Students who register in this course are strongly advised to register concurrently in English 70 or English 91 if they do not already hold credit in one of those courses or their equivalents.

***Education 492 (392)—Philosophy of Education (10-0)**

H. E. SMITH AND M. R. LUPUL

Philosophical bases of education, with particular reference to values, aims, curriculum, and the educative process.

Prerequisite: Philosophy 40, 52, 54, or 61. Philosophy 44 or 56 may be substituted by Roman Catholic students.

Education 522—Psychology and Supervision of Reading (10-0)

INSTRUCTOR TO BE ANNOUNCED

The nature of reading, and problems relating to reading; evaluation and the measurement of achievement; diagnosis through the use of informal and standardized tests; remedial programs and materials; a minimal program to meet the needs of those in supervisory positions; the review and application of research studies.

Prerequisite: Education 322A or 322B; or permission of the instructor.

Education 560—Administration of Public Education in Canada (10-0)

H. T. SPARBY

A comparative study of the educational systems of the ten Canadian provinces, with special attention to administrative organization and control. The form, function and powers of central and local educational authorities, and

their relationship to one another. Centralized versus decentralized control. School law. Educational activities of the Dominion Government. Current trends and administrative problems in Canadian education.

Education 562—Principles of Educational Administration (10-0)

A. W. REEVES

Administration analyzed into its major activities: planning, organizing, directing, co-ordinating and controlling. Illustrations of these activities in the field of education. Relationships of school administration to political science, law, business administration, sociology, and psychology. Importance of a guiding philosophy. Influence of democratic ideology on administrative theory and practice. Basic principles of school administration and their application to typical administrative problems.

Education 564—Administrative Duties of Principals and Superintendents (10-0)

H. PULLEN

The functions of principals and superintendents, with particular attention to matters such as administrative relationships within the school system, school and staff organization, professional leadership, administering the instructional program, pupil personnel and adjustment services, student organizations and activities, administration of the school plant and supplies, office management, records and reports. The principal and superintendent as public relations officers.

Education 566—Educational Finance (10-0)

G. L. MOWAT

Sources of school revenue and analysis of expenditures. Provincial school grants in Canada. The case for Dominion aid. Plans for equalizing the financial support of public education and major problems involved in their implementation. Principles and practices in the budgeting of school funds. Financial accounting and reporting. Capital expenditures. Salary schedules. Cost analysis.

Education 572—Psychology of Adolescence (10-0)

C. C. ANDERSON

A systematic study of the growth, development, behavior and problems of adjustment of children of junior and senior high school ages.

Prerequisite: Education 376 (476).

Education 576—Introduction to Educational Research (10-0)

D. B. BLACK

The nature of scientific methods; qualifications and training of research workers; problems, methods and tools of educational research; analysis of data; review of research resources. Analysis of typical educational projects. The research report.

Prerequisite: Education 376 (476).

Education 594—History of Education (10-0)

B. E. WALKER

History of education from the Greeks to modern times, placing emphasis on great figures and major trends. The history of modern education in Canada, Britain, America, France, Germany, Denmark and Russia. Great issues

in education: The influence of political, economic, social and religious institutions on education; theories of the role of education in the modern state; philosophy and education; psychology and education.

***English 2—First Course in English Literature** (10-0)

R. G. BALDWIN AND A. T. ELDER

A close study of representative masterpieces, with some attention to the historical development of English literature. Essays and tests on the prescribed literature will be given to afford practice in setting down ideas in good English.

Required of first-year B.A. students; open to others.

NOTE: Owing to the fact that preliminary essays are required in English 2, registration for this course will not be accepted after February 15th except from students who are repeating it.

Four essays will be required. The subjects will appear in the Pre-Session Study Syllabus, which will be sent to each student upon registration. The first essay must be submitted by March 15th, the second by April 15th, the third by May 15th, and the fourth by June 15th.

***English 53—Shakespeare** (10-0)

F. M. SALTER

Study of Shakespeare's development as a dramatist. Eighteen plays will be discussed, not all in great detail. Among them will be the following: *The Comedy of Errors* or *Love's Labour's Lost*, *Richard III*, *Romeo and Juliet*, *Richard II*, *Henry IV*, PART I, *Henry IV*, PART II, *Henry V*, *Hamlet*, *Othello*, *King Lear*, *Macbeth*, *Antony and Cleopatra*, *The Tempest*.

‡English 54—Children's Literature (10-0)

L. J. LOGIE AND ELEANOR DOBKIN

A historical and critical study of literature written for children, with attention to the interaction between children's literature and educational theory. The course will bring to the attention of prospective elementary teachers some of the world's resources in good books for children.

Prerequisite: English 2 or 5. This course is limited to B.Ed. students in the elementary route.

***English 59—Currents of Thought in Victorian Prose Literature** (10-0)

E. F. GUY

J. S. Mill, *Liberty, Utilitarianism* (Everyman's Library); Carlyle, *Sartor Resartus* (Everyman's Library); *Past and Present* (Everyman); Newman, *Apologia* (Everyman); *Idea of a University* (Cambridge University Press); Arnold, *Culture and Anarchy* (Cambridge University Press); Ruskin, *Selections and Essays*, ed. Roe (Scribner's); Huxley, *Readings*, ed. Rinker (Harcourt Brace); Butler, *Erewhon* (Nelson).

***English 70—A History of the English Language** (10-0)

M. H. SCARGILL

This course is designed to give a brief descriptive history of the growth and structure of the English language. The main emphasis will be on modern English, its grammatical devices, and its use as a successful means of ex-

pression and communication. Lectures of an introductory nature will also be given on phonetics, the origin of language, and dialects.

Prerequisite: English 2 or 5.

***English 91—Modern English Grammar** (10-0)

M. JOOS

A survey of several approaches to the description of modern English grammar.

***English 92—Linguistic Geography** (10-0)

W. S. AVIS

An introduction to the dialect geography of American and Canadian English, with work on materials from Alberta and elsewhere.

***French 1 or A** (10-0)

MARGARET A. BRINE

French 1 is designed to enable students entering with complete matriculation but without French to begin the study of the language in the University. French A may be offered for matriculation credit only.

NOTE: Normally, students will go from French 1 to French 2. If they have taken French 1 during the Summer Session, credit for the course will be granted only when French 2 has been successfully completed.

***French 2** (10-0)

MARIA SPORLEDER AND J. BESIDA

This is an intensive course in reading modern French, French grammar and composition.

Prerequisite: Grade XII French or French 1.

***French 50—Second Year French Authors and Grammar** 10 hrs.

C. H. MOORE

A senior course for those whose program allows them only two French courses and who do not want an intensive study of one period of literature. The course consists of a general review of grammar, a rapid survey of French literature, study of several representative French authors, oral and composition work based on the texts read.

Prerequisite: French 2 or a first-class mark in French 1.

***French 80Su—Romance and Philology** (10-0)

E. VON RICHTHOFEN

An outline of the development of Vulgar Latin into Old French and Modern French. The main differences between French and Provençal, Italian and Spanish will be shown in connection with the study of phonology, morphology and syntax in the different stages of the development.

***General Linguistics 105Su** (10-0)

E. REINHOLD

An introduction to the study of language and languages including theories of origin, language families, history, types of language, linguistic change. Emphasis will be placed on modern European languages.

A Division A option.

‡Genetics 52

(10-0)

J. KUSPIRA AND G. WALKER

A survey of genetics covering the basic principles and emphasizing the relation of this science to plant and animal improvement, human inheritance and eugenics, medicine, sociology, ontogeny, and organic evolution.

Classroom demonstrations.

Prerequisite: One of Biology 41, Botany 1 or 5, or Zoology 1 or 5Su.

*†Geography 1—Physical Geography

(10-8)

A. H. LAYOOCK

A systematic study of the origin, nature, and distribution of the natural environment. Land forms, weather and climate, vegetation, soils, water, and mineral resources will be related to each other in place. The laboratory work will complement the lectures and will include interpretation, study, and preparation of maps and charts.

NOTE: This is a C Division course.

*Geography 51—Economic Geography

(10-0)

J. H. BURG

A study of the distribution of economic activities over the world. Resources, industries, and trade patterns are reviewed systematically and in place.

*†Geology 1—General Geology

(10-8)

S. J. NELSON

Processes of destruction and reconstruction; interpretation of physiographic features with map study; stratigraphic column with index fossils from each period; common minerals and rocks.

*German 40 (b)—Advanced Scientific German

(10-0)

E. MUELLER

Reading of advanced scientific and technical texts, supplemented by a systematic and thorough discussion of grammatical difficulties and "trouble makers" in German scientific literature. The use of the dictionary. Analyzing compound words into their component parts. Technical terms. Abbreviations, reading of general texts and articles from the fields of chemistry, physics, engineering, medicine and dentistry. This course will enable students from science departments to overcome all major difficulties in German science reading and prepare them to meet the reading requirement in German for the degrees of M.Sc. and Ph.D.

German 40 may be taken as a senior course.

Prerequisite: German 1 or German 2.

*History 8—Canada and the United States, 1492-1939

G. M. SELF AND M. ZASLOW

A history of Canada and the United States, including a study of their European origins and relationships.

*History 59—History of the Canadian West

(10-0)

L. G. THOMAS

The social, political and economic history of Canada west of the Great Lakes, with emphasis on the period of settlement.

- *History 66—Contemporary Europe, 1900-1945** (10-0)
C. K. SMITH
The internal history of the major European countries to the end of the Second World War.
- *History 70—British History** (10-0)
F. D. BLACKLEY
British history from the accession of the Hanoverians to the present.
- *History 75—Canadian History** (10-0)
W. J. ECCLES
The history of Canada to 1854.
- *History 76—Canadian History** (10-0)
S. R. MEALING
The history of Canada since 1854.
- ‡‡Household Economics 11—Foods** (10-15)
MRS. FLORENCE WILSON AND MISS JOSEPHINE PENMAN
An elementary study of the composition and nutritive value of foods, with laboratory practice in food preparation, meal planning and service.
NOTE: This course will be offered in two sections, scheduled for different hours. (See timetable).
- ‡‡Household Economics 12—Textiles and Clothing** (10-15)
INSTRUCTOR TO BE ANNOUNCED
A study of sources, properties and manufacture of fabrics; their uses and care. The selection of costume for suitability to types and to the individual. The use of the commercial pattern in garment construction with emphasis on sewing techniques which apply to specific fabrics and designs.
- ‡‡Household Economics 44Su—Nutrition and Economics of the Household** (10-15)
MRS. HAZEL BRESLIN
(a) Nutrition—The principles of nutrition applied to the feeding of the family.
(b) Economics of the Household—The history of family life; family relationships; standards of living; household production; the income and its expenditure; budgets; consumer education.
Prerequisite: H.Ec. 11.
- *‡Household Economics 45—Applied Art** (10-15)
HARRIET ADAMS
A study of the principles of design and the theory of color. Creative problems including block printing, stencilling, stitchery, and other techniques. Historic styles of architecture and furniture and their relation to modern design. The planning of a contemporary house and its furnishings.
NOTE: In the Faculty of Education, only students majoring in household economics may elect H.Ec. 45 as an Arts and Science Option.
- *Latin 1 or A—Beginners' Latin** (10-0)
INSTRUCTOR TO BE ANNOUNCED
Sight translation and principles of language.

Latin 1 is designed to enable the students entering with complete matriculation but without Latin to begin this language in the University. Latin A may be offered for matriculation credit only. Students who take Beginners' Latin will normally proceed to Latin 2.

***†Mathematics 5—Elementary Mathematics** (10-10)

T. FOSTVEDT

Plane trigonometry. Solution of triangles. Trigonometrical identities and equations. Binomial theorem. Approximation. Rates of change. Differentiation of simple functions. Curve sketching. Maxima and Minima. Integration of simple functions. Analytical geometry of the straight line, circle and conic sections. Polar coordinates.

Prerequisite: Mathematics 30 of high school.

Note: This course is intended for students who wish to have a basic course in Mathematics, which will be acceptable as a prerequisite for Mathematics 40.

***†Mathematics 40—Calculus and Analytical Geometry** (10-5)

ZENNIA HYDUK

Differentiation of trigonometric, exponential and logarithmic functions. Polar and parametric coordinates. Methods and applications of integration. Series. Vectors and space geometry. Partial differentiation. Complex numbers. Multiple integration. Simple differential equations. Determinants.

Prerequisite: Mathematics 1 or 5.

***Mathematics 41—Elementary Mechanics** (10-0)

J. R. POUNDER

Foundations of mechanics; plane kinematics and dynamics of a particle, simple harmonic motion, projectile motion, central orbits; plane statics, theory of frames, thin beams, flexible cables; plane motion of a rigid body; virtual work and stability; impulsive motion.

Prerequisite: Mathematics 1 or 5.

***†Mathematics 45—Statistics** (10-10)

W. ZAYACHKOWSKI

→ Graphs, tables, diagrams. Frequency distributions, averages, dispersion, moments. Elementary probability. Binomial, normal and Poisson distributions. Sampling. Regression and correlation. Significance tests. Applications to data in various fields.

Prerequisite: Mathematics 30 of high school or equivalent.

***†Music 35 (formerly 41)—Elementary Choral Technique and General Musical Knowledge** (10-7)

G. K. GREENE

Elementary theory and practice of singing, choral technique and interpretation, sight singing and ear training. History of music. Introduction to form. Instruments of the orchestra. Assignments include two hours weekly of prescribed listening. Records and scores are provided and the listening room is reserved at various times for small groups. Weekly reading will be assigned, part of it related to the listening. (*See next page.*)

Theory: The student will be required during the course to attain 80% standing on an elementary examination in notation.

Laboratory: This will be in choral work.

Notes:

- (1) Students registering in this course should have the following qualifications:—
 - (a) Western Board Grade IV Theory or equivalent, and
 - (b) Western Board Grade IV Pianoforte or equivalent.
- (2) Class lessons in Pianoforte will be available to those students wishing to continue study, provided there are sufficient applications. Application must be made to the Music Division before June 1st. The fee for the Pianoforte instruction is \$5.00.
- (3) Students who feel that they do not qualify for Music 35 should consider the possibility of registering in Education 34.

***†Music 51—Orchestral Technique and Musical Criticism (7-10)**

L. CLUDERAY

(a) **Orchestral Technique**

Brass and reed instruments are provided for the study of techniques relating to band and orchestral groups.

(b) **Music History and Criticism**

A study of the history of music from the earliest times to the present. Scores and recordings of music from all periods are provided. A critical evaluation of the styles of various composers is emphasized. Detailed study of musical form and analysis.

(c) **Musical Laboratory**

Choral, orchestral and form laboratory.

Prerequisite: Music 35 or equivalent.

***Philosophy 40—History of Western Philosophy (10-0)**

E. W. KEMP

A critical survey of the chief philosophical theories which have influenced western civilization.

***Philosophy 52—Social Philosophy (10-0)**

J. A. IRVING

A philosophical and synoptic study of the nature of society.

***Philosophy 54—Ethics (10-0)**

A. M. MARDIROS

An inquiry into the nature and justification of moral standards.

***Philosophy 56—The Moral Philosophy of Aquinas (10-0)**

BROTHER ANSELM

Ethical theories and problems as discussed by Aquinas, and their application to contemporary ethical and social situations.

(This course is offered in St. Joseph's College and is accepted as a senior credit for Roman Catholic students. It is also available to Roman Catholic students in Education as a prerequisite to Education 492.)

§Physical Education 101—Physical Education for Grades One to Nine (5-0)

A. W. ERIKSSON

The theory and practice of physical education in primary, elementary and junior high school with emphasis on the rural and small school situation.

Activities will include: story plays, rhythmical exercises, rhythms, games of low organization, simple team games, body mechanics, self-testing stunts, social, folk (including square) and group dancing, individual athletic events, tumbling and pyramid building.

§Physical Education 105—School Health (5-0)

ALBERTA HASTIE

Principles of teacher, pupil and classroom health. Interpretation of the health programs of the elementary and high school grades.

Physical Education 204Su—Activity Course (10L)

A. F. AFFLECK

Theory, practice and teaching methods for badminton, track and field, and volleyball.

Physical Education 302 (formerly 402)—Organization and Administration of Health and Physical Education (10-0)

H. J. McLACHLIN

Distribution of time, equipment, facilities and staff in a comprehensive junior and senior high school program including health instruction, health service, sanitation, the required program, intramural activities, and inter-scholastic athletics.

Prerequisite: Phys Ed. 103 or 104Su.

Physical Education 406Su—Activity Course (10L)

W. D. SMITH

Theory, practice, and teaching methods for wrestling, football, and basketball.

***†Physics 1 or A—General Elementary Physics (10-8)**

INSTRUCTOR TO BE ANNOUNCED

An introductory course on the basic principles of physics, illustrated by experiments.

Notes:

- (1) Students who wish to take this course for matriculation credit should register in Physics A.
- (2) Only students who have complete matriculation, but who lack credit in Physics of Grade XII, may register in Physics 1 for degree credit.

***†Physics 35 (formerly 40)—Physical Properties of Matter, Heat and Sound (10-8)**

INSTRUCTOR TO BE ANNOUNCED

Mechanics, properties of matter, heat, wave-motion and sound. Illustrated by experiments.

Notes:

- (1) This course is designed for students who hold credit in Physics of Grade XII (Science 31 or Physics 2) and who plan to take a senior course in Physics other than Physics 50.
- (2) Credit cannot be given for more than one of Physics 1 or 35 or 41.

***Physics 50—The Development of Modern Physics** (10-0)

INSTRUCTOR TO BE ANNOUNCED

A study of the historical background of modern physics, emphasizing the development of current theoretical conceptions and modern experimental methods. Topics will include: kinetic theory of matter; electrical conduction, electrons and electron tubes; electrical and neutral particles; radiation and the quantum theory; radio-activity and nuclear atomic energy; cosmic rays; relativity.

Students will also be required to read at least one of a list of semi-popular books on the history or the philosophy of physics.

Prerequisites: A university course in physics, and mathematics 1 (or equivalent, e.g., Mathematics of Grade XII taken before 1953).

***Political Science 3—Elements of Political Science** (10-0)

G. R. DAVY

A study of the principles and practices of modern government, with emphasis on the democratic constitutional state. Among the topics studied are the nature and theory of the state; types of constitutions; the functions and composition of the legislature, executive and judiciary; representation; political parties and pressure groups.

***Political Science 63—History of Political Thought** (10-0)

B. R. BOCIURKIW

A historical survey of political philosophy, especially in the modern period. A discussion of some of the main problems in the theory of the state, with selected readings from the outstanding thinkers, especially since Hobbes.

***Psychology 62—Personality** (10-0)

H. M. PROSHANSKY

Theoretical approaches to personality; behaviour dynamics; determinants of personality—biological, organic, experimental, sociological; the mature personality.

Prerequisite: Psychology 40.

***Sociology 40—Introductory Sociology (formerly Sociology 1 or 51)** (10-0)

F. E. HARTUNG

The sociological study of society, social institutions, group behaviour, personality formation and social change.

***Sociology 60—Sociology of Group Relations** (10-0)

S. M. STRONG

Analysis of minority groups and social classes in terms of intra-group and inter-group relations, with emphasis on cooperation, conflict, accommodation, acculturation and assimilation.

TIMETABLE—1958 SUMMER SESSION

SCHEDULE OF LECTURE PERIODS

8:00 a.m. to 9:45 a.m.	10:00 a.m. to 11:45 a.m.	1:00 p.m. to 2:45 p.m.	3:00 p.m. to 4:45 p.m.
*Accounting 1 Art 35—Section X (8-11:45) *Botany 5 *Chemistry 1 or A Classics 54 Commercial Law 41 Drama 40 Education 138 Education 176 Education 242D (8-11:45) Education 242F (8-11:45) Education 322B Education 330 Education 347 Education 376 Education 560 Education 576 English 59 English 91 French 1 or A French 50 General Linguistics 105Su *Geology 1 History 70 History 76 *H.Ec. 11—Section A *H.Ec. 12 *H.Ec. 44Su *Mathematics 40 Philosophy 56 *Physics 35 Political Science 63 <u>Sociology 40</u>	Art 61 *Chemistry 40 Descriptive Linguistics 104 Drama 51 Economics 1 Education 153— Section A: 10-10:45 Section B: 11-11:45 Education 159Su— Section A: 10-10:45 Section B: 11-11:45 Education 224 Education 255—(10-10:45) Education 280S—Su Education 338 Education 345 Education 562 Education 594 English 2 English 53 *Geography 1 Geography 51 History 75 *H.Ec. 45 Latin 1 or A *Mathematics 5 *Mathematics 45 Philosophy 54 Physical Education 101— Section A: 11-11:45 Section B: 10-10:45 Physical Education 105— Section A: 11-11:45 Section B: 10-10:45 Physical Education 406Su *Physics 1 or A Political Science 3 Psychology 62	Art 35—Section Y (1-4:45) Art 40 (1-4:45) Drama 35 (1-4:45) Education 34 (1-3:45) Education 129— Section A: 1-1:45 Section B: 2-2:45 Education 141A-241A (1-4:45) Education 151— Section A: 1-1:45 Section B: 2-2:45 Education 246 (1-4:45) Education 310 Education 312 (1-3:45) Education 328 Education 346 (1-4:45) Education 438 Education 492 Education 522 Education 564 English 54 English 92 History 66 History 76 *H.Ec. 11—Section B Mathematics 41 *Music 35 *Music 51 Philosophy 52 Physical Education 302 Physics 50	Classics 114Su Economics 66 Education 306 Education 322A Education 324 Education 362 Education 566 Education 572 English 70 French 2 French 80Su Genetics 52 German 40 (b) History 59 Philosophy 40 Physical Education 204Su Sociology 60

*Consult also the schedule of laboratory periods below.

SCHEDULE OF LABORATORY PERIODS

Students in laboratory courses will be advised during the first lecture period as to when laboratory work will commence.

Accounting 1—10 to 12 noon, MTWTh.	H.Ec. 44Su—1 to 4 p.m., daily.
Botany 5—1 to 4 p.m., MTWTh.	H.Ec. 45—1 to 4 p.m., daily.
Chemistry 1 or A—1 to 4 p.m., MTWTh.	Mathematics 5—3 to 5 p.m., daily.
Chemistry 40—1 to 4 p.m., MTWTh.	Mathematics 40—1 to 2 p.m., daily.
Geography 1—1 to 4 p.m., MTWTh.	Mathematics 45—3 to 5 p.m., daily.
Geology 1—10 to 12 noon, MTWTh.	Music 35—3 to 5 p.m., daily.
H.Ec. 11: Section A—1 to 4 p.m., daily.	Physics 1 or A—1 to 2:45 p.m., MTWTh.
Section B—9 to 12 noon, daily.	Physics 40—1 to 2:45 p.m., MTWTh.
H.Ec. 12—1 to 4 p.m., daily.	

TEXTBOOK ORDER FORM

Summer Session, 1958

From

Address

To: University Bookstore, Edmonton, Alberta

Please forward the following books, for which I enclose \$

Course	Textbook	Price

Total \$

C.O.D. orders cannot be accepted. Make all cheques and money orders payable to the University Bookstore.

Special Directory

	Address	Telephone
President, <i>University of Alberta</i>	Administration Bldg., 3rd floor	369212
Director, <i>Summer Session</i>	Education Bldg., Room 214	335811
	Residence: 10655 Saskatchewan Dr.,	333475
Dean, <i>Faculty of Arts and Science</i>	Arts Bldg., Room 222	369246
Dean, <i>Faculty of Education</i>	Education Bldg., Room 210	335811
Dean, <i>Faculty of Graduate Studies</i>	Administration Bldg., 2nd floor	369439
Dean of Women	Administration Bldg., 2nd floor	369216
Director, <i>Student Advisory Services</i>	Administration Bldg., 1st floor	369229
Librarian	Rutherford Library, Room 214	369350
Registrar	Administration Bldg., 2nd floor	369217
Bursar	Administration Bldg., 3rd floor	369203
Bookstore	Administration Bldg., 1st floor	369436
Infirmary	89 Avenue, opposite Medical Bldg.	331765
Post Office	Administration Bldg., basement	369378

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A directory of University buildings and departments will be found on page 3 of this Announcement.
